

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Osamu OKUMURA et al.

Former Group Art Unit: 2871

Application No.: Rule 53(b) Division of U.S. Application Former Examiner: M. Ton  
No. 09/671,354, filed September 27, 2000

Filed: April 21, 2004

Docket No.: 038959.02

For: REFLECTIVE TYPE COLOR LIQUID CRYSTAL DEVICE AN DAN ELECTRONIC APPARATUS USING THIS

INFORMATION DISCLOSURE STATEMENT

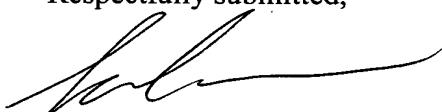
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- 2. The references were cited by or submitted to the Office in parent application No. 09/671,354, filed September 27, 2000, which is relied upon for an earlier filing date under 35 U.S.C. §120. Thus, copies of these references are not attached. 37 CFR §1.98(d).

Respectfully submitted,



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Form PTO-1449 (REV. 8-83) <span style="float: right;">US Dept. of Commerce PATENT &amp; TRADEMARK OFFICE</span>			ATTY DOCKET NO. 038959.02		APPLICATION NO. Rule 53(b) Divisional Application of Application No. 09/671,354, filed September 27, 2000	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)			APPLICANT(S) Osamu OKUMURA, Eiji OKAMOTO, Tsuyoshi MAEDA and Toshiharu MATSUSHIMA			
			FILING DATE April 21, 2004		FORMER GROUP 2871	
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		US RE 36161	03/1999	OKUBO et al.		
		5,870,157	02/1999	SHIMADA et al.		
		6,084,465	07/2000	SEIKIGUCHI		
		5,365,357	11/1994	OHGAWARA et al.		
		4,964,702	10/1990	SUGIMOTO et al.		
		6,140,988	10/2000	YAMADA		
		5,587,819	12/1996	SUNOHARA et al.		
		5,508,831	04/1996	NAKAMURA et al.		
		5,122,887	06/1992	CONNER et al.		
		4,560,241	12/1985	STOLOV et al.		
<b>FOREIGN PATENT DOCUMENTS</b>						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
		JP-A-7-36029	02/1995	JAPAN		
		JP-A-60-214342	10/1995	JAPAN		
		JP-A-56-50369	05/1981	JAPAN		
		JP-A-4-282613	10/1992	JAPAN		
		JP-A-4-289818	10/1992	JAPAN		
		JP-A-59-36282	02/1984	JAPAN		
		JP 05173158	07/1993	JAPAN		
		JP 07036029	02/1995	JAPAN		
		JP 50-80799	07/1975	JAPAN		
		JP 1-13666	05/1976	JAPAN		
		JP 3-64850	08/1982	JAPAN		
		JP 7-62723 (w/Eng. Abstract)	10/1986	JAPAN		
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>						
		"Color LCD Structure," IBM Technical Disclosure Bulletin, Vol. 33, No. 7, pp. 340, December 1, 1990.				
		A.G. CHEN et al., "Late-News Paper: Holographic Reflective Liquid-Crystal Display," SID 95 Digest, pp. 176-179.				
<b>EXAMINER</b>					<b>DATE CONSIDERED</b>	
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

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		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB CLASS	
		JP 2-12 (w/Eng. Abstract)	01/1990	JAPAN				
		JP 3-50249 (w/Eng. Abstract)	05/1990	JAPAN				
		JP 3-223715 (w/Eng. Abstract)	10/1991	JAPAN				
		JP 4-348323 (w/Eng. Abstract)	12/1992	JAPAN				
		JP 5-241143 (w/Eng. Abstract)	09/1993	JAPAN				
		JP 6-235920 (w/Eng. Abstract)	08/1994	JAPAN				
		JP 7-239649 (w/Eng. Abstract)	09/1995	JAPAN				
		JP 8-87009 (w/Eng. Abstract)	04/1996	JAPAN				
		JP 2000-311938	05/2002	JAPAN				
		JP 2000-311939	05/2002	JAPAN				
		JP 2000-311940	05/2002	JAPAN				
		JP 2000-311941	05/2002	JAPAN				
		JP-A-59-198489 (w/Eng. Trans)	11/1984	JAPAN				
		JP-B-07-62723 (w/Eng. Trans)	07/1995	JAPAN				
		JP-A-60-59322 (w/Eng. Trans)	04/1985	JAPAN				
		JP-A-57-190923 (w/Eng. Trans)	11/1982	JAPAN				
		JP-A-3-84520 (w/Eng. Trans)	04/1991	JAPAN				
		JP-A-1-277283 (w/Eng. Trans)	11/1989	JAPAN				
		JP-A-7-13147 (w/Eng. Trans)	01/1995	JAPAN				
		JP-A-5-100112 (w/Eng. Trans)	04/1993	JAPAN				
		JP-A-60-237403 (w/Eng. Trans)	11/1985	JAPAN				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>								
		S. MITSUI et al., "Late-News Paper: Bright Reflective Multicolor LCDs Addressed by a-Si TFTs," <u>SID 92 Digest</u> , pp. 437-440						
		T. UCHIDA et al., "Reflective Multicolor Liquid-Crystal Display," <u>IEEE Transactions on Electron Devices</u> , Vol. ED-33, No. 8, pp. 1207-1211, August 8, 1996.						
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		JP-A-5-88011 (w/Eng. Trans)	04/1993	JAPAN				
		JP-A-7-140447 (w/Eng. Trans)	06/1995	JAPAN				
		JP-A-5-83608 (w/Eng. Trans)	04/1993	JAPAN				
		JP-A-7-29532 (w/Eng. Trans)	06/1995	JAPAN				
		JP-A-7-104272 (w/Eng. Trans)	04/1995	JAPAN				
		JP-A-60-73618 (w/Eng. Abstract)	04/1985	JAPAN				
		JP-A-61-143791 (w/Eng. Trans)	07/1986	JAPAN				
		JP-A-60-238888 (w/Eng. Trans)	11/1985	JAPAN				
		JP-A-5-83608 (w/Eng. Trans)	04/1993	JAPAN				
		JP-A-61-166586 (w/Eng. Trans)	07/1986	JAPAN				
		JP-A-62-79402 (w/Eng. Trans)	04/1987	JAPAN				
		JP 61-230101 (w/Eng. Trans)	10/14/1986	JAPAN				
		GB 2139372 A	11/1984	GREAT BRITAIN				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>								
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